# Colorimeter Offset Matrix Creation

for i1D3 and CR300 using ColourSpace

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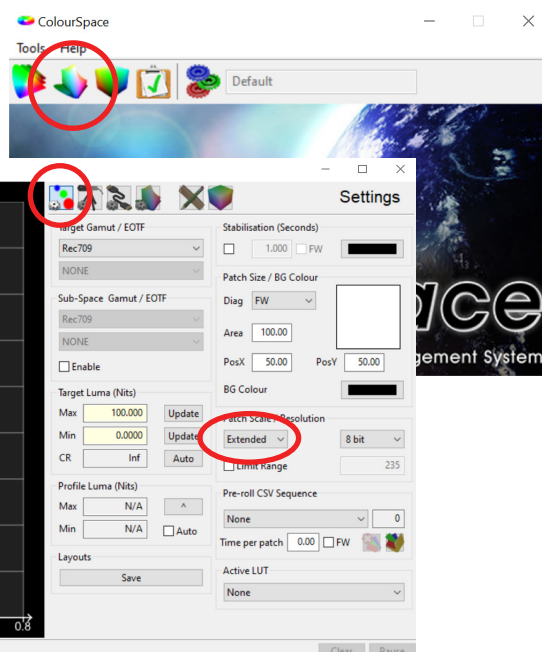www.FlandersScientific.com

Flanders Scientific Inc.

Begin by setting your FSI monitor to the default profile.
Menu > System > Load Profile > Default.
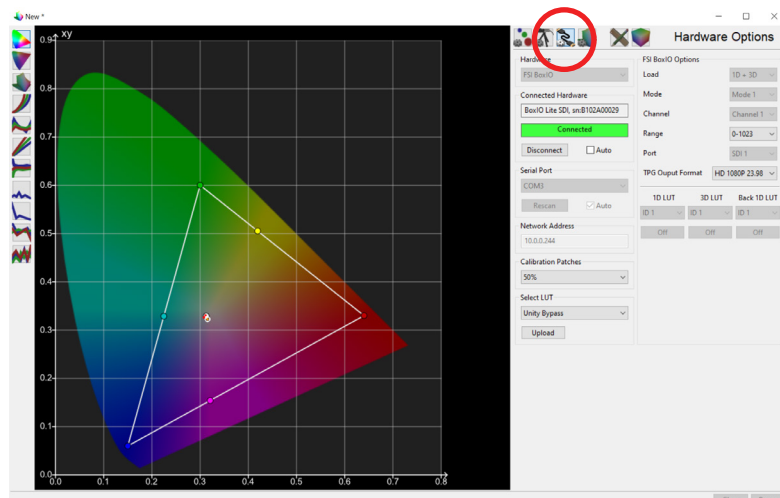When prompted, confirm by selecting Yes.
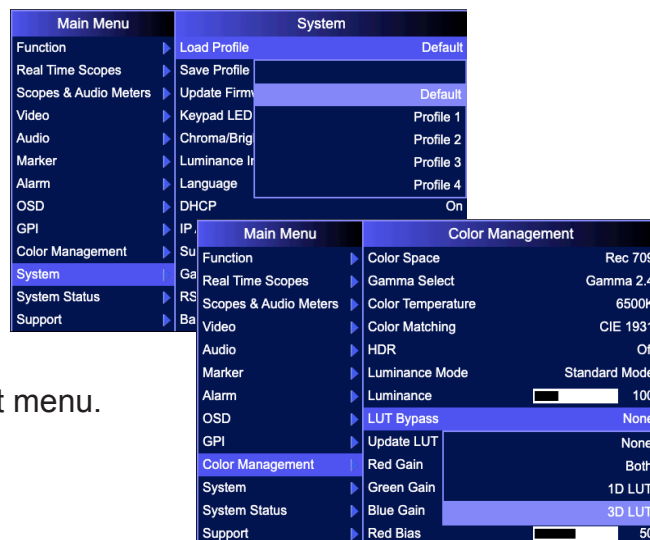
Bypass the 3D LUT in the monitor's Color Management menu.
Color Management > LUT Bypass > 3D LUT.

Start ColourSpace and click the profiling icon.

From the profiling window, select the Settings tab and set Patch Scale to Extended.

Now, select the Hardware Options tab and connect to the Test Pattern Generator of your choice. For additional information, please reference our other ColourSpace calibration guides.

Connect your CR300 to your computer via USB and aim it towards the middle of the monitor.

Now, click on the Probe Options button in ColourSpace. From the Probes menu select Colorimetry Res. CR-250/CR-300. Select Rescan if no active com ports are shown. Then press connect. Once connected set Integration Time to Normal.

Note: Slow can also be used, but we **do not** recommend using Fast or 2X Fast.

Now, click the Configure button in the Probe Matching section.
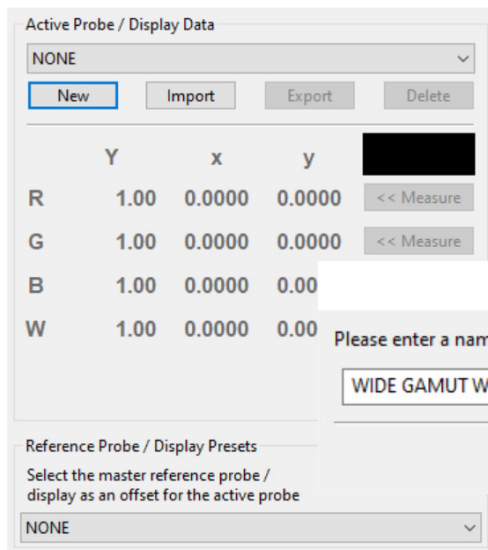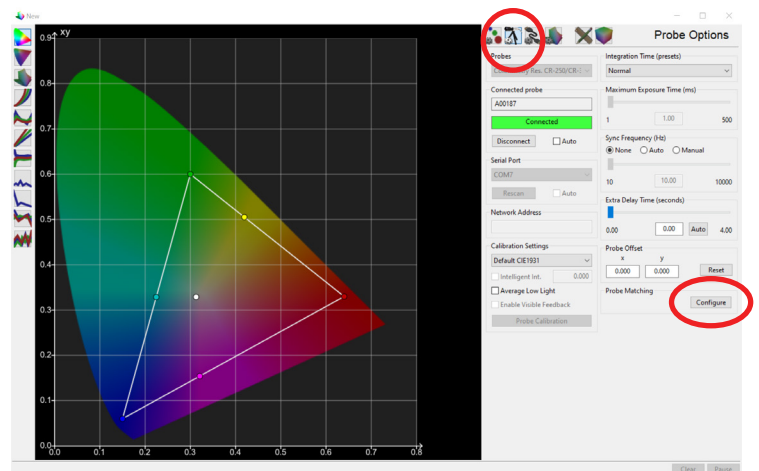
Click New, then enter the name of your choosing and press OK. On the New Probe Calibration window click OK.

12 reference measurements will now be performed.

Please enter a name

WIDE GAMUT WHITE LED - SPECTRO

New Probe Calibration

Place the probe on the measurment patch. Ok to continue.

Once complete, your reference file will be saved within ColourSpace.

Now, close out of the Configure window and click Disconnect to disengage the CR300 from ColourSpace.
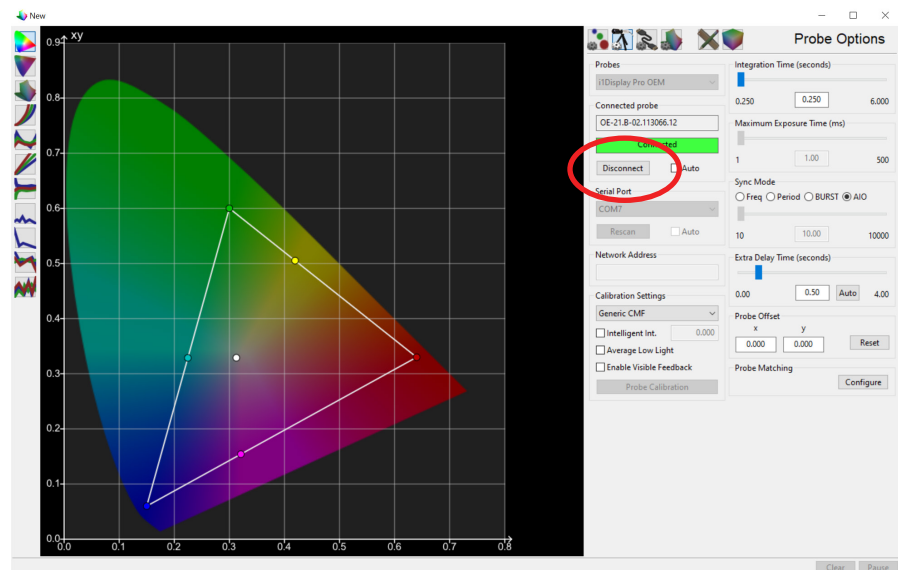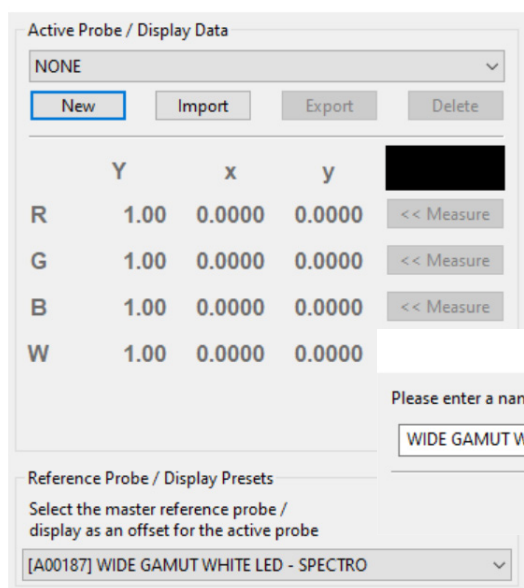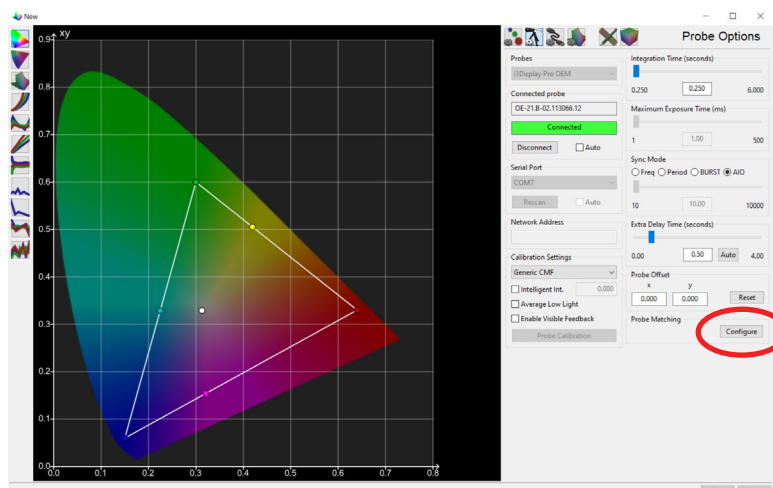

Connect the i1D3 probe to the computer and place it in the middle of the monitor with the diffuser open.
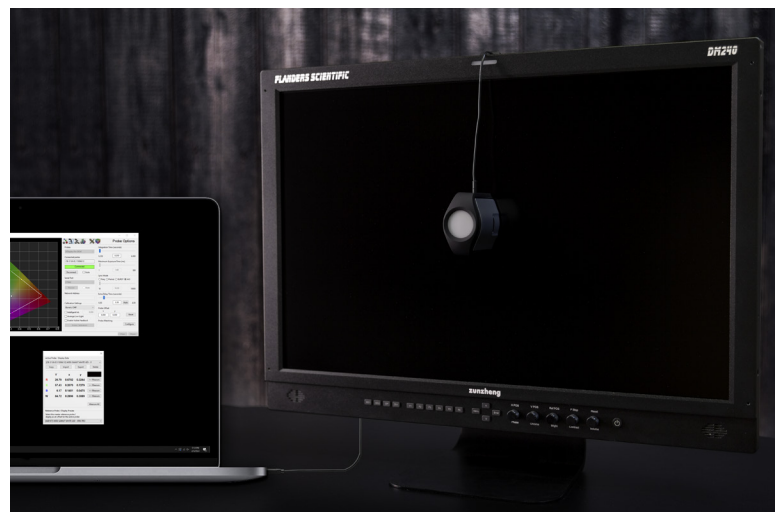
From the Probes menu select I1Display Pro OEM, then press connect. Once connected, set Sync to AIO. We suggest setting the extra delay to at least 0.5 seconds, as a setting of 0 will cause read errors.

Now, click the Configure button in the Probe Matching section.

In the Reference Probe/Display Presets dropdown select the reference file that was just created using the CR300. Click New and enter a name of your choosing, then select OK. On the New Probe Calibration window click OK.

Measurements will now be performed with the i1D3 and saved within ColourSpace.
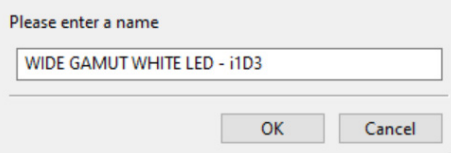
Your matrix is now saved in ColourSpace in the "[Probe Serial Number] - Name" format.

When Calibrating this monitor, make sure Active Probe/Display Data is set to the i1D3 file you just created and Reference Probe/Display Presets is set to the master reference probe file that you just created.

Different matrix files should be made for each different display type you want to calibrate.